

## CLAIMS

1. A disposable apparatus for use in blood testing and being adapted for simultaneous dilution of a blood sample (S) into at least two different dilution ratios, said apparatus  
5 including a housing (21) having integrated therein means (41) for receiving a blood sample (S), a plurality of receptacles (28 - 33) for diluent and diluted sample, and a plurality of channels (34 - 39),

c h a r a c t e r i z e d   b y

- 10 - depressions in at least one surface (27) of the housing, said depressions at least partly defining the receptacles (28 - 33) and the channels;

- diaphragm means (40) sealing the receptacles and the channels relative to said at least one surface (27).

- 15 2. The disposable apparatus according to claim 1, c h a r a c t e r i z e d   i n   t h a t said diaphragm means entirely covers said at least one surface.

3. The disposable apparatus according to claim 1, c h a r a c t e r i z e d   b y valve means (45, 54) within said  
20 housing (21) controllable for directing diluent and diluted sample between selected receptacles.

4. The disposable apparatus according to claim 3, c h a r a c t e r i z e d   i n   t h a t the valve means include a valve slide (54) slidably guided in an aperture (45) in the  
25 housing.

5. The disposable apparatus according to claim 1, c h a r a c t e r i z e d   i n   t h a t portions of said diaphragm means (40) sealing the receptacles are flexible in response to a pressure variation applied thereon.

6. The disposable apparatus according to claim 1, characterized by a blood sample receiving channel (41) in the housing communicating with two of the depressions forming channels (34, 37).

5

7. The disposable apparatus according to claim 1, characterized in that the housing (21) is translucent and has integrated therein a light path (64) for performing photometric measurement on material contained in at least one of the receptacles (33).

10

8. An instrument for controlling the apparatus according to claim 1, characterized by pressure actuating means (92) adapted to apply a pressure on at least one portion of the diaphragm means sealing a selected receptacle (33).

15

9. A method for controlling an apparatus according to claim 1, characterized in that a pressure is applied on at least one portion of the diaphragm means sealing a selected receptacle.